

Investigations in the Field of Thiocarbonyl
Derivatives. 1. Synthesis of Sulfamido-, Carboxy-
and Sulfo-Substituted Derivatives, by R. G. Dubenko,
P. S. Pel'kin, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 3,
1959, pp 885-887.

Consultants Bureau

Sci

Apr 60

115,249

51
244
Synthesis and Study of the Properties of
Derivatives of 1,5-Diphenylthiocarbohydrazide,
by R. G. Dubenko, P. S. Pel'kis, 5 pp.

RUSSIAN, per, Zhur Obshchei Khim, Vol XXXIII,
No 1, 1963, pp 290-294.

CB

245, 668

Sci
Dec 63

S-Methyl Derivatives of Arylthiocarbazonates, by
R. G. Dubenko, P. S. Pel'kis, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 10,
1959, pp 3469, 3470.

CB

Sci

Oct 60

130,642

Thiocarbanilide Derivatives. II. Synthesis of
Ethoxy- and Carboxy- Substituted Unsymmetrical
Thiocarbanilide Derivatives, by R. G. Dubenko, P. S.
Pel'kis, ~~5~~ 5 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 11,
1959, pp 3781-3785.

CB

Sci
Nov 60

132,706

Research in the Field of Substituted 1,5-Diphenylthiocarbazonas, V. Synthesis of Alkyl- and Aryl-Substituted 1,5-Diphenylthiocarbazonas, by P. S. Felkis, L. S. Popko, R. G. Dubenko, 4 pp.

RUSSIAN, per, Zhur Oshch Khim, Vol XXVII, No 7, 1957, pp 1849-1853.

Consultants Bureau

Sci - Chem
Oct 58

74, 228

S-Methyl Derivatives of Arylthiocarbazonates, by
R. G. Dubenko, P. S. Pel'kis, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 10,
1959, pp 3469, 3470.

CB

Sci

Oct 60

130,645

Investigation ~~S-Methylated~~ Arylthiocarbazonas,
by R. G. Dubenko, P. S. Fel'kis, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 2,
1959, pp 435-437.

Consultants Bureau

Sci

Apr 60

112,328

Investigation in the Field of Substituted 1, 5-Diphenylthiocarbazonas. VII. The Effect of the Nature of Substituents in the Benzene Rings of 1, 5-Diphenylthiocarbazonas on the Thione-Thiol Tautomeric Equilibrium, by P. S. Fel'kis, R. G. Dubenko, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 1, 1959, pp 194-196.

Consultants: Bureau

Sci
Mar 60

110,657

Synthesis and Study of Derivatives of Carbo-
thiophenylamide Phenylthiocarbohydrazide. II.
Reaction of Derivatives of Carbothiophenylamide
Phenylthiocarbohydrazide With Methylating Agents
and Alkali, by R. G. Dubenko, P. S. Pel'kis,
5 pp.

RUSSIAN, per, Zhur. Obshch Khim, Vol XXXIII,
No 3, 1963, pp 2632-2636.

CB

Sci
Aug 64

263,805

Investigations in the Series of Substituted
5-Hydroxy-2, 3-diphenyltetrazolium
Betaines, by R. G. Dubenko, P. S. Palkis,
3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX,
No 1, 1959, pp 197-199.

Consultant: Bureau

Sci

Mar 60

110,658

Synthesis of Some Formazans with a Carbohydrate
Residue, by E. G. Dubenko, E. F. Gorbenko, P. S.
Pel'kin, 3pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVI, No 3,
1961, pp 883-885.

CB

Sci

192, 203

Mar 62

Unsymmetrical Derivatives of 1,6-Diarylhvdrzodithiodi-
carbamides, by I. R. G. Dubenko, P. S. Pel'kis, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXX, No 5,
1960, pp 1437-1440.

CB

167, 656

Sci

Jul 61

The Synthesis of Halogen-Substituted Unsymmetrical
Derivatives of 1,6-Diphenylhydrazodithiocarbonamide. IV
by R. G. Dubenko, P. S. Pel'kis, 5 pp.

RUSSIAN, per, Zhur Onshch Khim, Vol XXXI, No 5
1961, pp 2450-2454

1662-1664
CB

Sci
Mar 62

191,976

Synthesis of Unsymmetrical Alkoxy Derivatives
of 1,6-Diphenylhydrazodithiodicarbamide, II.
by R. G. Dubenko, P. S. Pel'kis, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXI, No 6,
1961, pp 2045-2048.

CB

Sci

201,915

Jun 62

An Asynchronous Self-Exciting Alternator, by
A. T. Golovan, A. A. Dubenskiy.

RUSSIAN, per, Elektrichestvo, Vol V, 1945,
pp 50-52.

MLL RPS 2028

Sci - Eletron

Jul 62

204,825

100
An Electronic Optical Instrument for Interpreting
Aerial Photographs, by V. P. Dubenskiy,
M. P. Iordyukov, 7 pp.
RUSSIAN, Patent No 147763 (745860/26), Class 42c,
1002. P10016776E-V
FTD-III-23-1174-67

V. P. Dubenskiy
Sci/tech & Equip
Aug 68

364,788

The Problem of Determining the Capacities of
Cylindrical Tanks for Oil Products, by
V. P. Dubenskov, 4 pp.

RUSSIAN, per, Izmeritel Te's, No 6, 1958,
pp 48-50.

Instr: Soc of Amer

Sci

Apr 60

113,154

S-69/60

(NY-3562).

Atmospheric Flow in the Stratosphere, by V. R.
Dubentsov, 15 pp.

RUSSIAN, per, Met 1 Gid, No 11, 1959, pp 3-15.

9658800

JPRS 2470

L-1-K-345+

Sci - Geophys, Meteorology
Apr 60

114,727

p 26
Some Characteristics of Circulation in the Northern and
Central Parts of the Pacific Ocean on the Basis of
Observations Aboard the Research Vessels
A. I. Voznyakov, and Yu. M. Shchegolev, by V. A. Gubensov,
21 pp.
RUSSIAN, per. Trans. Technical English Projectors, No 137, 2
1964, pp 61-81.
JPRS 55128

Sci-Tech Sci & Astron
Vol 66

374,002

DUBENTSOV, V. R., and VITVITSKAYA, Z. M.

Manual: Construction and Analysis of Synoptic Maps
and Aerological Charts and Diagrams. Mos/Sverdlovsk,
Hydrometeorological Publishing House, 1943.
(USSR Peoples' Commissariat for the Defense of the
USSR, Chief Administration of the Hydrometeorological
Service of the Red Army. Central Weather Institute.)
137 pp.

HQ, Air Weather Service, A-2 Technical Research Files,
m09/D81.

Lab Copy 17-11-11 - C 37583
A 1282

New Method for the Separation of Serum Proteins by
Means of Methanol, and its Application to Rabbit
and Horse Serums, by J. Dubert, P. Slizowicz, P.
Reçeyrotte, M. Machabouf, 9 pp.

8
FRENCH, per, Ann Inst Pasteur, Vol LXXXIV, 1953,
pp 370-375.

SLA 58-163

Sci

Aug 59

93,662

(FDD 25012)

Elements of Disloyalty in ~~TURKISH~~ Turkmenistan,
by Jan Dubicki, 75 pp.

RUSSIAN, mimeo doc, East European Fund, Mimeo
Series No 53, New York, 1954.

CIA/FDD/U-7146

USSR

Pol - National minorities

CTS 70/Jul 55

26,743

Experimental Measurement of Electrical Quantities
in Brain Tissue, by Yu. V. Dubikaytis, 6 pp.

RUSSIAN, per, Biofiz, Vol IV, No 2, 1959,
pp 153-157.

Pergamon Press

Sci

Mar 60

110,779

37

The Theory and Mechanism of Ionospheric Discharge,
by V. V. and Ya. V. Pukhovskii, 16 pp.
RUSKIAN, par, Moscow, Vol 31, no 3, 1966,
pp 261-267.
JPRS 25523

Sol - 3 & 31
Aug 64

264,673

(NY-6502)

The Experience of Teaching in a Hospital Clinic,
by V. V. Iabilya, 4 pp.

RUSSIAN, per, Terapevticheskiy Arkhiv, Vol XXXIII,
No 6, 1961, pp 92-94.

JPRS 10471

USSR

Skt

Soc

173,606

Nov 61.

Action of the Various Hormones on the Morphology
of Collagen Fibers. Preliminary Study in Phase
Contrast Microscope, by J. De Bruex, R. Du
Boisosselin, 7 pp.

FRENCH, per, Arch d'Anst Microsc et Morph
Exp, Vol XLIV, No 1, 1955, pp 20-26.

NIH Tr 11-28
S.I.A. Tr 1330

Sci - Medicine
Dec 56 OTS

41, 832

63-22409

1. Title: Residual stresses
- I. Dubin, G. N.
- II. Scientific Information Consultants Ltd. (Gt. Brit.)

Dubin, G. N.
RESIDUAL STRESSES IN SURFACE LAYERS OF
DIFFUSION-SATURATED ALLOYS. [Aug 63] 19 refs.
Order from SIC \$15.00

Trans. of Akademiya Nauk SSSR. Otdelenie
Tekhnicheskikh Nauk. Izvestiya: Metallurgiya i
Toplivo, 1962, no. 4, p. 103-113.
Also available from SIC in Russian Metallurgy and
Fuels, 1962, no. 4, \$68.00/year.

DESCRIPTORS: *Steel, Alloys, Metal coatings,
*Diffusion, Surfaces, Stresses, *Chromizing,
Chemical analysis.

The effect of chromizing on residual stresses at the
metal surface was determined by selective removal of
the surface layers by chemical attack. A number of
tests were also carried out with diffusion coatings of
(Metallurgy, IT, v. 10, no. 11) (over)

Office of Technical Services

Residual Stresses in Surface Layers of Diffusion
Saturated Alloys, by G.N. Dubin, 15 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Tekh Nauk,
Metall i Toplivo, No 4, 1962, pp 103-113.

SIC

Sci

Mar 63

341,276

(NY-6502)

Cybernetics - A Science of Great Promise,
by L. Dubin, 8 pp.

RUSSIAN, per, Agitator, No 19, Oct 1961,
pp 39-42.

JPRS 11924

Sci - Misc
Cybernetics
Jan 62

179,130

Testing of a Cast Iron Crankshaft in the
Engine 6-DR-30/50 in Workshop Conditions,
by M. P. Dubin, A. B. Kane.

RUSSIAN, per, Energeticheskii Byulletin
(Ministerstv Neftyanoi i Promyshlennosti)
XX No 4, 1955, pp 10-14.

Coop Trans Sch 160
L2. (5s.0d.)

Sci - Engineering

30,896

(NY-5087)

Automated Telephone Substation With Crossbar
Connectors, by Ya. I. Dubin, 5 pp.

RUSSIAN, per, Vestnik Svyazi, No 7, 1957.

JPRS 7030

Sci

Jan 61

137,569

Means of Improving and Automating Fuel-Gasification
and Glass-Melting Processes, by N. I. Dubina,
3 pp.

RUSSIAN, per, Steklo i Keramika, Vol XV, No 8,
1958, pp 19-21.

CB

Sci

129, 214

Oct 60

p 19

Zinc in the Blood of Children and Adolescents at Various Stages of Physical Development, by T. L. Dubina, 5 pp. ALGERIA, per, Belt Ak Nusk Dohernauhy 222, Vol VII, No 9, 1964, pp 695-696. JPRS 20043

**Est - D B M
Feb 65**

273,318

27

Changes Reflected Changes in the Time Context of
Human Mind by T. L. Babbitt, 1/30.
OKA CHIKUMARU, par, Vostok 41, Novik BBR,
Soviet Encyclopedia, No 1, 1964,
p. 57-59.
1972 1964

Sci - B & M
Jan 64

242,405

The Use of Sinter and Briquettes Instead of Ore
and Limestone in Open-Hearth Furnaces, by A. G.
Derfel', Yu. G. Dubina, A. G. Kotin, N. I.
Myshonkov, S. L. Sologub, E. V. Pret'yakov, V. I.
Kamirov, F. A. Chernenko, Ya. A. Shneyerov, 5 pp.

RUSSIAN, par, Stal, No 5, 1959, pp 400-405.

BSI

Sci

Jan 60

105,608

Method of Estimating Loose Smut Infection on
Cereals in USSR, by B. N. Dubinovich.

RUSSIAN, per, Selek i Semen, Vol XIV, No 10, Oct 1947,
pp 66-67. 61.9 Se5

USDA Trans 334

USSR

Economic - Agriculture, cereals

Scientific - Biology, cereals

493

NCH-202 614

Field 7A

Dubini, M.; Montino, F.; Chiusoli, G. P.
REACTIVITY OF ALLYLIC NICKEL COMPLEXES.
NOTE 2. INTERMEDIATES FORMED IN THE REACTION
WITH ACTIVATED OLEFINS: BIS(5-HEXENONITRILE)
NICKEL. 3 May 65, 10p, 9 refs. CTS(Chem)-414.
Order from CTS(Chem): \$9.20 as CTS(Chem)-414

Trans. of la Chimica e l'Industria (Italy) v47 n8
p839-41 1965.

I. Intermediates ...
II. Chemical Translating
Service, Palo Alto, Calif.

Dubini, Mario, Longiave, Carlo, and Castelli,
Renato.

CHAIN TRANSFER TO RADIOACTIVE ETHYLENE
IN THE POLYMERIZATION OF BUTADIENE WITH
COBALT CATALYSTS. [Nov 63] 1800 words 10refs
Order from CTS(Chem) \$7.20 CTS(Chem)-349
subsequent copies \$1.20/ea.

Trans. of [la] Chimica e [l']Industria (Italy) 1963,
v. 45, no. 8, p. 923-926. (Abstract available)

DESCRIPTORS: *Butadienes, *Polymerization, Metal-
organic compounds, *Ziegler catalysts, Aluminum
compounds, Ethyl radicals, Chlorides, *Cobalt cata-
lysts, *Labeled substances, *Ethylenes, Vinyl radicals,
*Radiochemistry, Elastomers.

It was ascertained that ethylene is introduced into the
polymer molecule when butadiene is polymerized with
(Chemistry--Physical, TT, v. 11, no. 4) (over)

TT-64-12041

- I. Dubini, M.
- II. Longiave, C.
- III. Castelli, R.
- IV. CTS(Chem)-349
- V. Chemical Translating
Service, Palo Alto,
Calif.

Office of Technical Services

Diffusion of Niobium Into Steel From the Gas
Phase, by Dubinin. UNCLASSIFIED

RUSSIAN, per, Zhur Tekh Fiz, No 11, 1952,
pp 1730-1740.

British Iron and Steel Inst
Co-op Tr Scheme
Tr 802
(L3.10.0)

Sci - Phys
Apr 58

62,665

Diffusion of Niobium Into Steel From the Gas
Phase, by Dubinin. UNCLASSIFIED

RUSSIAN, per, Zhur Tekh Fiz, No 11, 1952,
pp 1730-1740.

British Iron and Steel Inst
Co-op Tr Scheme
Tr 802
(L3.10.0)

Sci - Phys
Apr 58

62,665

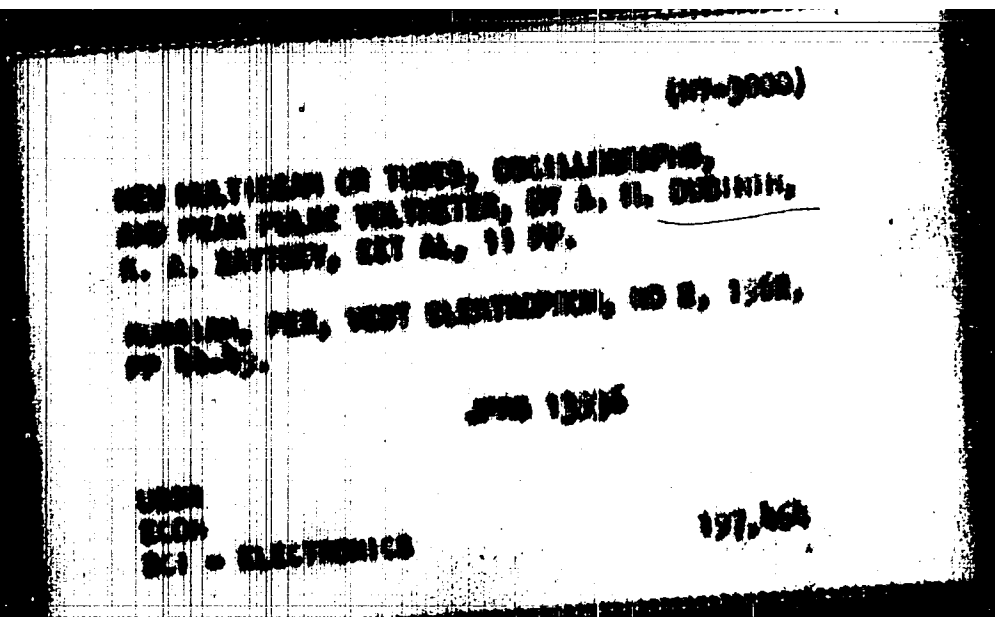
Wear Resistance of Carbon Steel Subjected to
Rubbing in Certain Liquid Media After Diffusion
Chromizing, by Khrushchov, Babichev, Dubinin

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol XCII,
No 2, 1953, p 303.

NSF Tr 196

Scientific - Minerals/Metals
CTE/DEX

9272



Some Data on the Development of the Lower Carboni-
ferous Oil Pool of the Mukhanov Field, by A. Z.
Dubinin, P. V. Ivanov, 7 pp.

RUSSIAN, per, Geolog Nefti i Gaza, Vol III, No 2-A,
1959.

Rev of Russian Geology

Sci

127,770

Sep 60

3-Methoxy-5-Tert-Butyltoluene, by B. M. Dubinin
and N. E. Kozhevnikova, 6 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXI,
No 4, USSR, Apr 1951, pp 662-668

Consultants Bureau
Vol 21, Apr 1951

A 1855

Aromatic Compounds With a Musk Odor, 2, 6-Dinitro-
4-tert.-amyl-3-methoxytoluene, by B. M. Dubinin,
7 pp.

Full translation.

RUSSIAN, per, Khim Obshch Khim, Vol XXI, No 12,
Dec 1951, pp 2170-2173. CIA D 182342

Consultants Bureau

USSR

Scientific - Chemistry, compounds

1939

A Manostat and Receiver for Vacuum Distillation in
Columns, by M. I. Rosengart, A. M. Liberman and
D. M. Dubinin, 4 pp.

Full tr

RUSSIAN, bino per, Zhur Anal Khim, Vol XI, No 3,
May/Jun 1956, pp 351-354. CIA 9007075 C, Reel No 64

Consultants Bureau

Sci - Chemistry
Dec 56 CTS

41,402

Effect of Electromagnetic Forces Upon the Elimination
of Nonmetallic Inclusions From Liquid Steel, by
E. L. Dubinin, et al.

RUSSIAN, per, Fiz Metallov i Metallovedenie,
Vol XIV, No 6, 1962, pp 935-936.

HB 5902

Sci-M&M
May 63

229,825

Residual Stresses in Surface of Steels Impregnated
With Various Alloying Elements by G. N. Dubinin,
L. Gribovskiy.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved Chern Metal,
No 11, 1962, pp 170-174.

HB 5836

Sci - M/M, Engr
Mar 63

226,670

98
Study of Reaction Diffusion Processes During the
Chromization of Steels at High Temperatures, by
G. N. Dubinin.

RUSSIAN, per, Vestnik Mashinostroyeniya, No 10,
1954, pp 84-87.

*CFSTI TT 70-59119

Sci-
June 70

G. N. Dubinin

Residual Stresses in the Metallic Surface
Impregnation of 1.0% C Tool Steel, by G. N.
Dubinin.

RUSSIAN, Izvest VUZ, Mashinostroenie, No 10,
pp 178-183. 1962.

HB 5923

Sci-M/M
Jan 64

246,370

On the Nature of Phases Occurring on the Surface
of Steel in Diffusion of Tungsten, by G. N.
Dubinin, Yu. A. Bagaryatskiy, 12 ..

RUSSIAN, per, Zhur Tekh Fiz, Skl XII, No 11,
1942, pp 1741-1750.

ACSI, E-4804

Sci - Phys

Dec 59

104,452

Wear Resistance of Steel Surface-Impregnated With
Carbide-Forming Elements, by G. N. Dubinina.

RUSSIAN, per, Metal i Obrab i Metallov, No 9, Sep
1957, pp 21-25.

Brutcher Tr 4015

\$3.50

Sci - Min/met

Mar 58

60,373

Mechanical Properties of Steel After Surface
Impregnation With ~~EX~~ Chromium, by G. E. Dubinin.

RUSSIAN, per, Vest Mash, Vol XXVII, No 10, 1956,
pp 56-58.

HE 4296

Sci - Min/Met

Oct 60

Residual Stresses in the Surface Layers of
Heat-Resisting Alloys after Diffusion Satur-
ation with Metals, by G. A. Gubina, L.

Orlovskii, 11 pp.

RUSSIAN, bk, Issledovaniya struktury i svoystv
zharootochnykh spлавov, No 158, 1964, pp 56-
65.

JPRS 20180

Sci-Mac & Met

Mar 65

276,310

The Nature of Surface Zones Which Arise When
Chromium Diffuses in Iron, by G. N. ~~XXXXX~~
Dubinin, 6 pp.

RUSSIAN, per, Zhur Tekh Fiz, Vol. XXVI, No 6,
Jun 1956, pp 1345-1350.

Amer Inst of Phys
Soviet Phys, Tech Phys
Vol I, No 6

49,846

Sci - Phys
Jul 57

Pack Chromizing of Steel in a Mixture Containing
Chromium Sesquioxide, by G. H. Dubinin,

inostry,

RUSSIAN, per, Vestnik, Vol XXIV, No 11, 1954,
pp 56-58.

23,164

Butcher Tr No 3466
\$3.25

Scientific - Min/Metals

Apr
May 55 CTB

Saturation of the Surface of Steel With Manganese
From the Gaseous Medium, by G. N. Dudaikin, 5 pp.

Full translation.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXXIV, No 6,
1952, pp 1155-1158.

CIA/TDD/L-59

Scientific - Chemistry

ALC 1000 ACSIL

570 07/673

May 53 CES

1326

**Separation of the Surface of Steel With Molybdenum
From the Gaseous Medium, by G. N. Dubinin, 4 pp.**

Full translation.

**RUSSIAN, per, Dok Ak Nauk SSSR, Vol. LXXXIV,
No 5, 1952, pp 935-938.**

Also see @
CIA/FDD/Z-57

ACSI/

OT/672

Scientific - Chemistry

May 53 CTS

1331

High Temperature Corrosion Resistance,
by G. N. Dubinin, 9 pp.

RUSSIAN, bk, Trudy Issledovaniye Zharoprochnykh
Splavov, 1960, pp 65-68. 9673088

FED-TT-51-31

Sci - Min/Metal

182,607

15 Feb 62

Surface Impregnation of Steel With Tungsten From a
Gaseous Medium, by G. N. Dubinin.

RUSSIAN, Dok Ak Nauk SSSR, Vol 84, 1952, No 4,
pp 693-696

Brutcher Tech Tr No 2941

also CIA/FOD/2-56

A-1886

Improvement of Wear Resistance of Cold-Header
Dies by Gas Chromizing, by G. N. Dubinin, B. V.
Gal'chenko. *Dubinin*

RUSSIAN, per, Stanki i Instrument, Vol XXVI,
No 8, 1955, p 17.

Brutcher Trans 3633
\$1.50

Sci - ~~Chemistry~~

Min/Metals

29,811

X-ray Examination of the ...
After Chromizing by the Powder Method, by N. V.
Karyakina, G. N. Dubinin, 9 pp.

RUSSIAN, per, Fiz Metal i Metallov, Vol IX, No 6,
1960, pp 832-841.

pp

156, 158

Sci

Jun 61

GUDTSOV, N. T.
DUBININ, G. N.

Impregnation of Steel with Cerium.

IZVESTIYA AKADEMII NAUK SSSR, OTN, 1951, No 4,
pp 565-75; 5800 word.

Brutcher No 2750, § 11.60

A-1887

Surface Impregnation of Steel With Vanadium From
the Gaseous Phase by G. N. Dubinin.

RUSSIAN, Dok Ak Nauk SSSR, Vol 34, 1952, No 2,
pp 269-272

Brutcher Tech Tr No 2929

also C 17/F 00/Z-55

A-1888

Gas Chromatizing of Steel Using Ceramic Materials,
by G. N. Dubinin

RUSSIAN, per, Vest Mash, Vol XXXIII, No 12, 1953,
pp 69-70.

Brutcher Tr 3316

Scientific - Minerals/Metals
Jul CTS/DEX

Price \$2.95

15 975

Some Cases of Very Small Life Times of Low Nuclear Levels, by E. E. Berlovich, G. V. Dubinkin, 3 pp.

RUSSIAN, no per, Zhur Ekaper i Teoret Fiz, Vol XXXII, No 2, pp 223-

Sept 1957

Amer Inst of Phys
Soviet Phys, JETP
Vol V, No 2

Sci - Physics
Oct 57

53,826

62-16187

Dubinin, M. and Saverina, E.
THE POROSITY AND ADSORPTION PROPERTIES OF
ACTIVATED CHARCOAL. [1960] 17p. 10 refs.
Order from SLA \$1.60 62-16187

Trans. of Acta Physicochim[ica] U. R. S. S., 1936,
v. 4, no. 5, p. 647-674.

Another trans. is available from ATS \$21.95 as
ATS-55M43G [1960] 17p.

DESCRIPTORS: Activated carbon, Charcoal, Adsorption,
Porosity, Physical chemistry.

(Unannounced)

I. Dubinin, M.
II. Saverina, E.

ATS/937-GJ

21:240

Office of Technical Services

Science and Information, by M. Dubinin,
V. Serpinskiy.

RUSSIAN, np, Izvestiya, No 217, Sep 1962, p 3.

NIL Tr Bulletin
Vol V No 1 1963

Sci - Econ
Mar 63

Adsorptive Properties and Secondary Porous
Structure of Adsorbents Showing a Molecular
Sieve Effect. Communication 5. Maximum
Adsorptive Volumes of Dehydrated Crystals of
Synthetic Type X Zeolites, by M.M. Dubinin,
E.G. Zhukovskaya, 9 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 5, 1962, pp 760-768.

CB

Sci

232,614

Mar 63

TT-63-20792

Dubinin, M. M. and Timofeev, D. P.
CALCULATION OF ADSORPTION ISOTHERMS OF
VAPORS ON ACTIVE CARBONS. [1963] [6p] 10 refs
Order from OTS, SLA, or ETC \$1.10 TT-63-20792

I. Dubinin, M. M.
II. Timofeev, D. P.

Trans. of Akademiya Nauk SSSR. Doklady, 1948,
v. 60, no. 5, p. 821-824.

DESCRIPTORS: *Activated carbon, Vapors, *Adsorption,
Thermodynamics, Equations.

457935

(Chemistry--Physical, TT, v. 11, no. 3)

Office of Technical Services

Electron Microscopic Investigation of the
Structure of Porous Bodies by the Replica
Method, edited by M. M. Dubinin.

RUSSIAN, rpt, Proceedings of the 2d Con-
ference 13-18 Jun 1956, Metody Issled
Struktury Vysokodispersnykh i Poristykh
Tel, Iz Ak Nauk SSSR, pp 19-36.

ILL M.1958

193,889

Sci -- Electron

Apr 62

~~22~~

Investigation Into the Adsorptive Properties and the Secondary Porous Structure of Adsorbents Acting as Molecular Sieves. Communication 2. Comparison of Calculated and Experimental Values for the Maximum Amounts and Volumes Adsorbed by Synthetic Zeolites of the Type A., by M. M. Dubinin, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 7, 1961, pp 1183-1191.

CB

Sci

Ann 62

200,207

Vapor Adsorption on Nonporous Adsorbent Models
With Physically Modified Surfaces. Communication 2.
Low Temperature Adsorption of Nitrogen on Carbon
Black With Preadsorbed Benzene and Methyl Alcohol,
by A. I. Barakhov, M. M. Dubinin, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Khim, No 7,
1963, pp 1165-1175.

CB

Sci
Jul 64

263,463

Study of the Adsorptional Properties and
Secondary Porous Structure of Adsorbents With
a Molecular Sieve Action. Communication 4.

Granulated Synthetic Type A Zeolites, by
M. M. Dubinin, M. M. Vishnyakova, 7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 8, 1961, pp 1387-1394.

CB

Sci

Jul 62

202,694

Investigation of Adsorptional Properties and
Secondard Porous Structure of Adsorbents,
Having a Molecular Sieve Action. Communication 3.
Components of the Granules of Synthetic Type A
Zeolites, by M. M. Dubinin, E. D. Zaverina,
7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel
Khim Nauk, No 8, 1961, pp 1380-1386.

CB

Sci

Jul 62

202,693

A Study of the Nature of the Microporous Structure
of Active Carbons, Communication 3. Active
Carbons From Different Carbonized Materials,
by M. M. Dubinin, E. D. Zaverina, 4 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim
Nauk, No 2, 1961, pp 201-204.

CB

Sci

-198,795

Jun 62

Rational Types of Industrial Activated Carbons Intended
for Use as Adsorbents, by M.M. Dubinin, 7 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXIV, No 2, 1961,
pp 291-299

CB

Sci

Mar 62

192, 247

Investigation of the Nature of the Microporous Structure
in Activated Charcoals. Communication 4. The Growth
of the Micropore Volume during the Activation of
Charcoals, by M. M. Dubinin, 6pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 5, 1961, pp 750-755

CB

Sci

188,999

Mar 62

Adsorption of Nitrogen Gas on Modified Activated
Carbon, by B. P. Gering, M. M. Dubinin, E. G.
Zhukovskaya, 4 pp. *B*

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXX, No 4,
1960, pp 793-796.

CB

150,021

Sci

Apr 61

11 753

UK-30

DUBININ M. M., ed.

Methods of investigation of the structure of highly dispersed and porous substances. Proceedings of the second conference, 13th-18th June, 1956. (Conclusions only of these Proceedings)

Izd. Akad. Nauk SSSR, Moscow, 1958

RTS 1603. £ 0. 20s. 0d. - English

E u r a t o m

The Problems of Registering the Penetration
in Research on the Dynamic Activity of
Sorbents, by M. Dubinin, V. Andreyev.

RUSSIAN, no per, Zhur Prikl Khim, Vol V,
No 3/4, 1932, pp 413-424.

Def Sci Info Sv,
DEB, Canada
T 126 R

Scientific - Physics

CTS/DEI

13,785

A Study of the Microporous Structure of Activated
Charcoals. Communication 1, Activated Charcoals from
Phenolaldehyde Resin. M.M. Dubinin, E.D. Zaverina,
L.S. Ivanova, ~~pp~~pp.
RUSSIAN, per, Iz Ak Nauk, SSSR, Otdel. Khim Nauk,
No 1, 1961, pp 17-28. CB

198, 112

Sci
Apr 62

A Study of the Microporous Structure of Activated
Charcoals. Communication 2. Activated Charcoals
from Polyvinylidene Chloride. M.M. Dubinin, E. D.
Zaverina, A. T. Kaverov, 76 pp.
RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 1, 1961, pp 29-37. CB

198, 114

Sci
Apr 62

Investigation of the Porous Structure of Solids
by Sorption Methods. V. The Structure of
Intermediate Pores and Macropores of Activated
Carbons, by M. M. Dubinin, M. M. Vishnyakova,
E. G. Zhukovskaya, et al, 5 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXXIV, No 9,
1960, pp 2019-2029.

Cleaver-Hume Press

Sci
Aug 61

167,072

NY-6471

THEORY OF PHYSICAL ADSORPTION AND PRACTICAL
APPLICATION OF ADSORBENTS, BY H. M. DUBININ,
15 PP.

RUSSIAN, PER, IZ AK NAUK ARMVANSKOY SSR,
VOL XIII, NO 6, 1960, PP 377-383.

JPRS 10225

SCI - PHYS

NOV 61

173,124

The Adsorptive Properties and Secondary Porous Structure
of Adsorbents Having a Molecular Sieve Effect. Communicati
7. Void Volumes of Dehydrated Synthetic Type A and X
Zeolite Crystals Filled During Adsorption of Vapors of
Various Substances, by M. M. Dubinin, E. G. Zhukovskaya,
7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 12,
1962, pp 2113-2120.

CE

243, 145

Steel-
Nov 63

Absorption of Water Vapor on Ionic Crystals. Communica-
tion 2. Nonequilibrium Sorption of Water on Lead
Iodide Crystals, by N. N. Moskvitin, M. M. Dubinin,
et al, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 1,
1960, pp 9-14.

CB

Sci
May 62

192,851

An Investigation of the Adsorption of Vapors on
Adsorbents Possessing a Nonuniform Surface,
Part 2: Experiments with Organic-Substituted
Silica-Gels, by L. G. Ganichenko, M. M. Dubinin,
E. D. Zaverina, 8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 9, 1960, pp 1535-1543.

CB

172, 193

Sci

Oct 61

Examination of Adsorbed Properties of Active Carbons
by Benzol and Nitrogen Vapors, by N. M. Dubinin,
E. H. Zhurovskaya. ID 2137009

RUSSIAN, per, Academy of Sciences, News Chemical
Sciences Division, No 5, 1959, pp 535-544.

ACBI H-5099

Sci - Chemistry

Apr 60

111,887

Analysis of the Earlier Received Experimental
Data, by N. M. Dubinin, E. D. Zavarina, D. I.
Timofeev. ID 2137009

RUSSIAN, per, Academy of Sciences News Chemical
Sciences Division, No 6, 1957, pp 670-677.

ACSI H-5099

Sci - Chemistry

Apr 60

111,889

Calculation of Differential Heats of Adsorption
of Vapors on Active Charcoals, by B. P. Bering,
M. M. Dubinin, V. V. Serpinskiy, 7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 6, 1959, pp 981-988.

CB

Sci

157,900

Jun 61

Adsorption Properties of Carbon Adsorbents.
Communication 4. Adsorption Properties of
Active Charcoals Having a Developed Transitional
Porosity, by M. M. Dubinin, E. G. Zhukovskaya,
10 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 10, 1959, pp 1705-1715.

CHI

Sci
Jun 61

157,925

Methods and Equipment for Physical-Chemical
Research, Porometer for Low Pressure (Low
Pressure Porometer), by M. M. Rubinin,

RUSSIAN, per, Zhur Fiz Khim, Vol XXXII, No 6,
pp 1404-1406, 1958

O.S.I.R.O.

Sci - Chem

May 60

116,408